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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/777,173	02/13/2004	Yoshiyuki Kiya	HITA.0514	4479
Stanley P. Fishe	7590 05/11/2007	EXAMINER CHIEN, LUCY P		
Reed Smith LL				
Suite 1400 3110 Fairview I	Park Drive	ART UNIT	PAPER NUMBER	
Falls Church, V		2871		
•.			MAIL DATE	DELIVERY MODE
			05/11/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Applicatio	Application No. Applicant(s)					
Office Action Summary		10/777,17	3	KIYA ET AL.				
		Examiner		Art Unit				
		Lucy P. Ch	ien	2871				
Period fo	The MAILING DATE of this communication app or Reply	ears on the	cover sheet with the c	orrespondence a	ddress			
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATES IN 15 CONTROL OF THE MAILING DATES IN 16 MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF TH 36(a). In no eve vill apply and will , cause the appli	IS COMMUNICATION nt, however, may a reply be tim expire SIX (6) MONTHS from cation to become ABANDONE	N. nely filed the mailing date of this of (35 U.S.C. § 133).	•			
Status								
1)[🔀]	Responsive to communication(s) filed on <u>2/26/</u>	2007						
·	This action is FINAL . 2b) This action is non-final.							
· —								
-,-	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims	•	•					
4)⊠	Claim(s) 1 and 4-21 is/are pending in the applic	cation						
•	4a) Of the above claim(s) <u>7-21</u> is/are withdrawn from consideration.							
	Claim(s) is/are allowed.							
	☐ Claim(s) is/arc allowed: ☐ Claim(s) <u>1 and 4-6</u> is/are rejected.							
· <u> </u>	Claim(s) is/are objected to.							
·	Claim(s) are subject to restriction and/or	r election re	equirement		·			
-,	, <u> </u>		4		•			
Applicati	on Papers			·				
9) 🗌 🤈	The specification is objected to by the Examine	r.						
10)🖾	The drawing(s) filed on <u>2/13/2004</u> is/are: a)⊠ a	accepted or	b) objected to by t	he Examiner.	,			
	Applicant may not request that any objection to the	drawing(s) be	e held in abeyance. See	e 37 CFR 1.85(a).				
	Replacement drawing sheet(s) including the correcti	ion is require	ed if the drawing(s) is obj	jected to. See 37 C	FR 1.121(d).			
11)	The oath or declaration is objected to by the Ex	aminer. No	te the attached Office	Action or form P	TO-152.			
Priority u	ınder 35 U.S.C. § 119							
	Acknowledgment is made of a claim for foreign All b) Some * c) None of:)-(d) or (f).				
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the priority documents have been received in this National Stage							
	application from the International Bureau	•	` ''					
* See the attached detailed Office action for a list of the certified copies not received.								
	•							
Attachmen	t(s)							
	e of References Cited (PTO-892)		4) Interview Summary					
	e of Draftsperson's Patent Drawing Review (PTO-948)		Paper No(s)/Mail Da 5) Notice of Informal P	ate atent Application (PT	O-152)			
· —	nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date		6) Other:	(Ppilodiloi) (I' I	→ .↓_ /			

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DETAILED ACTION

Claim Rejections - 35 USC § 102

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1,5,6 are rejected under 35 U.S.C. 102(b) as being anticipated by Katayama et al (US 5151807).

Katayama et al discloses in Figure 13, a plurality of films including an insulation film (111), a semiconductor film (113), and a conductive film (105a, or 126b) are patterned in a given pattern and stacked on a substrate (101).

Katayama et al also discloses (Column 19,Row 34-40) the correction portion which separates a short-circuit defect is corrected. A upper layer (Figure 13,(120)) is present above the film to be corrected (Figure 13,(101)) at the correction portion and the correction is applied to the film to be corrected while leaving the upper-layer film as it is via *no other substrate* (it irradiates a side opposite to the substrate (101) and via no other substrates, there are no other substrates that it irradiates besides 101). (Column 18, Row 61-68 and Column 19, Rows 1-4).

Regarding Claim 5,

Katayama et al discloses in Figure 13 the upper-layer film (113) above the film to be corrected (101) includes a transparent insulator (117).

Regarding Claim 6,

Katayama et al discloses the correction portion is performed by irradiating the laser beams from a side opposite to the substrate. (Column 18, Row 61-68 and Column 19, Rows 1-4). The corrected state is the normal performing state.

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Katayama et al (US 5151807) in view of Liu et al (US 5518956).

Katayama et al does not disclose dividing the laser beams plural times.

Liu et al disclose the laser beam being pulsed, which divides the laser beams plural times. (Column 4, Row 64-67 and Column 5, Row 1-20) Control of the laser pulse rate determines the number of laser pulses delivered per second and thus effects the rate of ablation of the material in which the laser beam is absorbed.

It would have been obvious to one of ordinary skill in the art, at the time when the invention was made to have Katayama's display device to include Liu et al's pulsing laser beam to control the laser pulse rate to control how much power being irradiated to the material. (Column 4, Row 64-67 and Column 5, Row 1-20)

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Response to Arguments

Applicant's arguments filed 2/26/2007 have been fully considered but they are not persuasive.

Applicant's argument that "... Katayama further states that although the laser beam is irradiated from the glass substrate 101 side, it can be radiated from any substrate if both substrates are made of a material through which laser beams are irradiated via a substrate or substrates. Katayama does not show or suggest either explicitly or implicitly that the laser beam can be radiated via no substrate." Katayama states the laser beam can be irradiated on either substrate. Thus, the laser beam is irradiated on the upper layer film. Applicant does not state that the laser beam can be radiated via NO substrate. Applicant's claim states that the laser beam can be radiated via no other substrates. Thus there are no other substrates that it irradiates besides substrate 101.

Therefore, the rejection is maintained.

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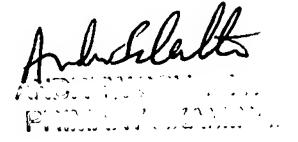
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lucy P. Chien whose telephone number is 571-272-8579. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on (571)272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Lucy P Chien Examiner Art Unit 2871



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